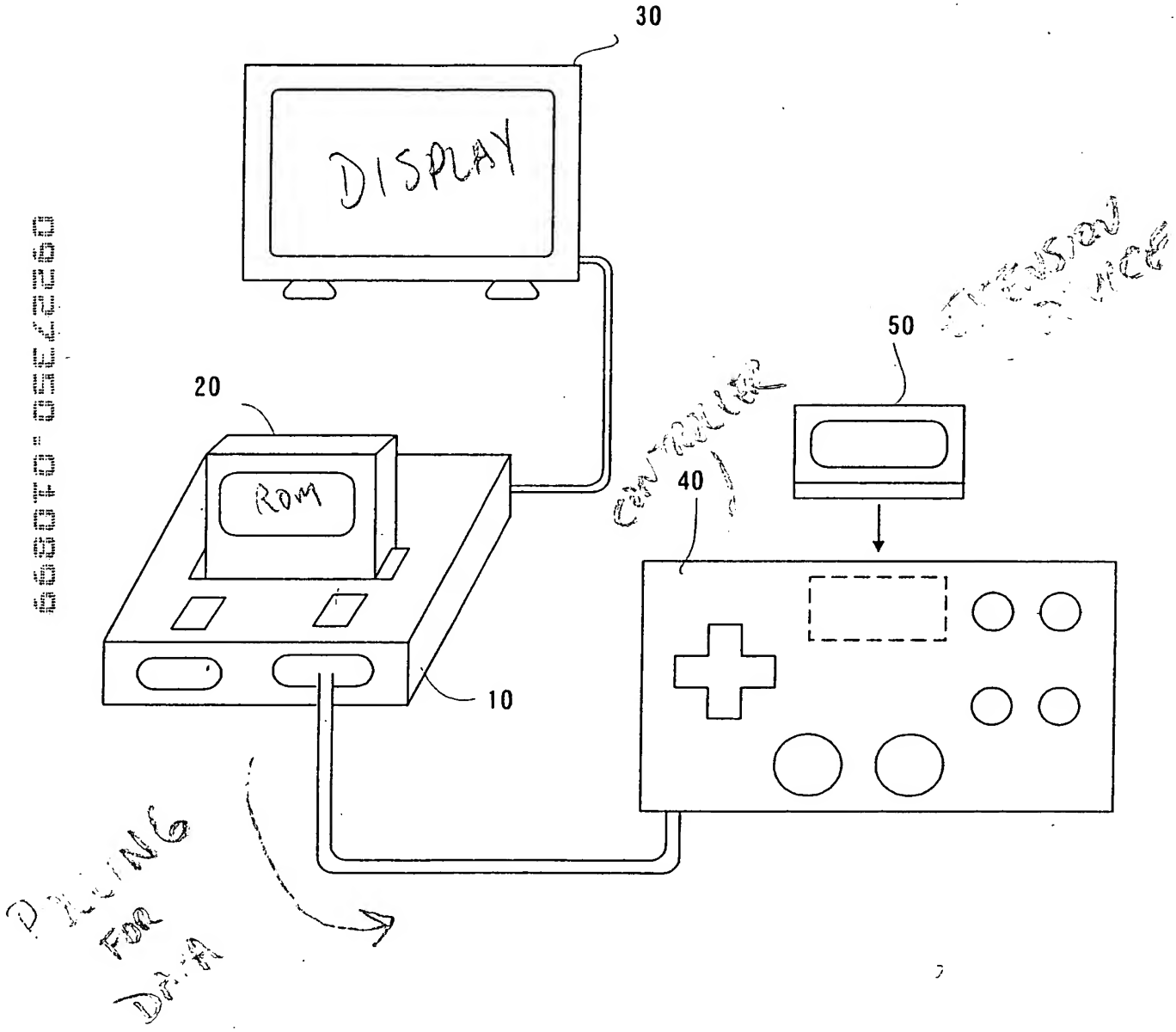
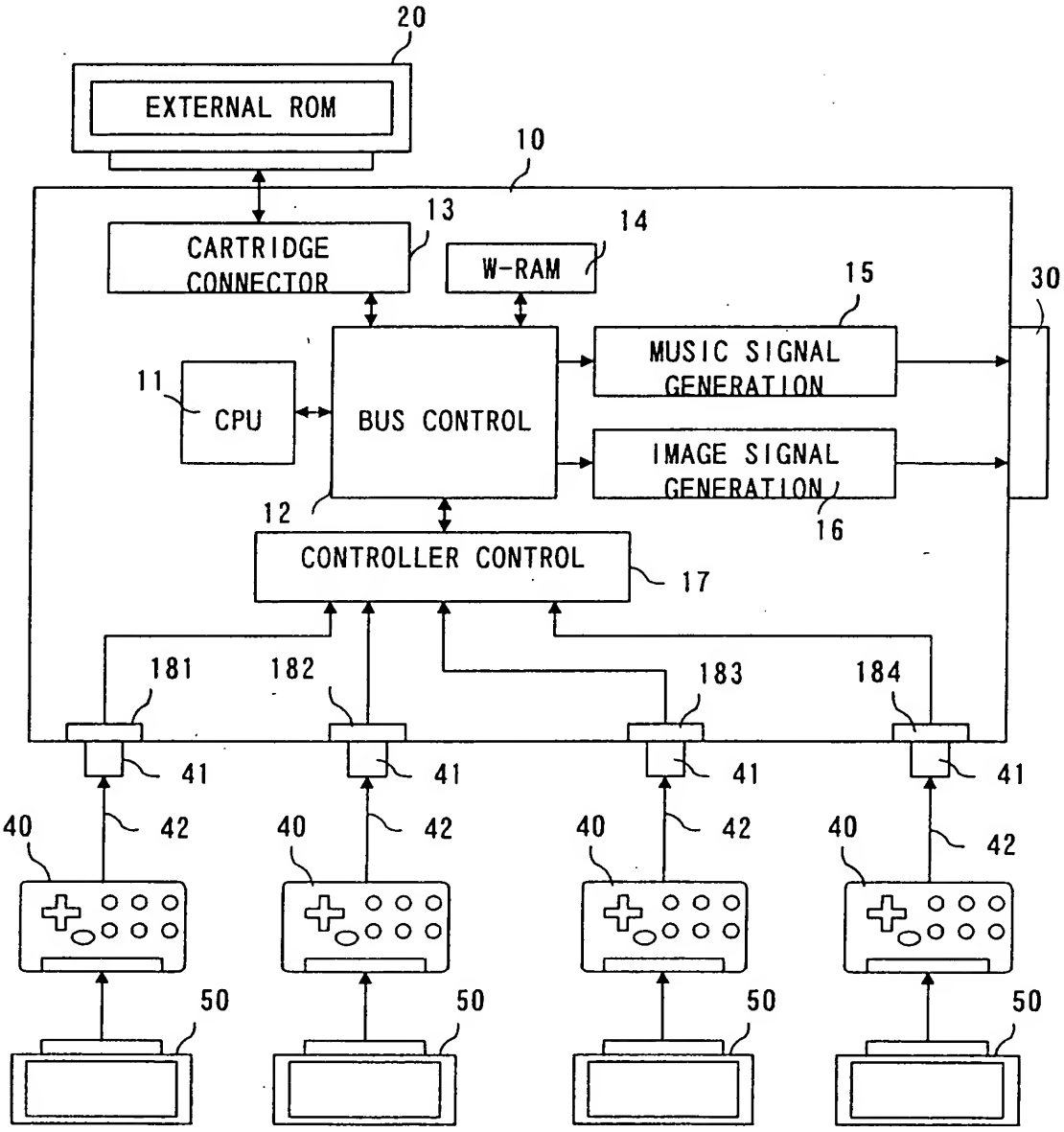
APPROVED BY DRAFTSMAN
O.G. FIG.
CLASS SUBCLASS

FIG. 1



APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 2



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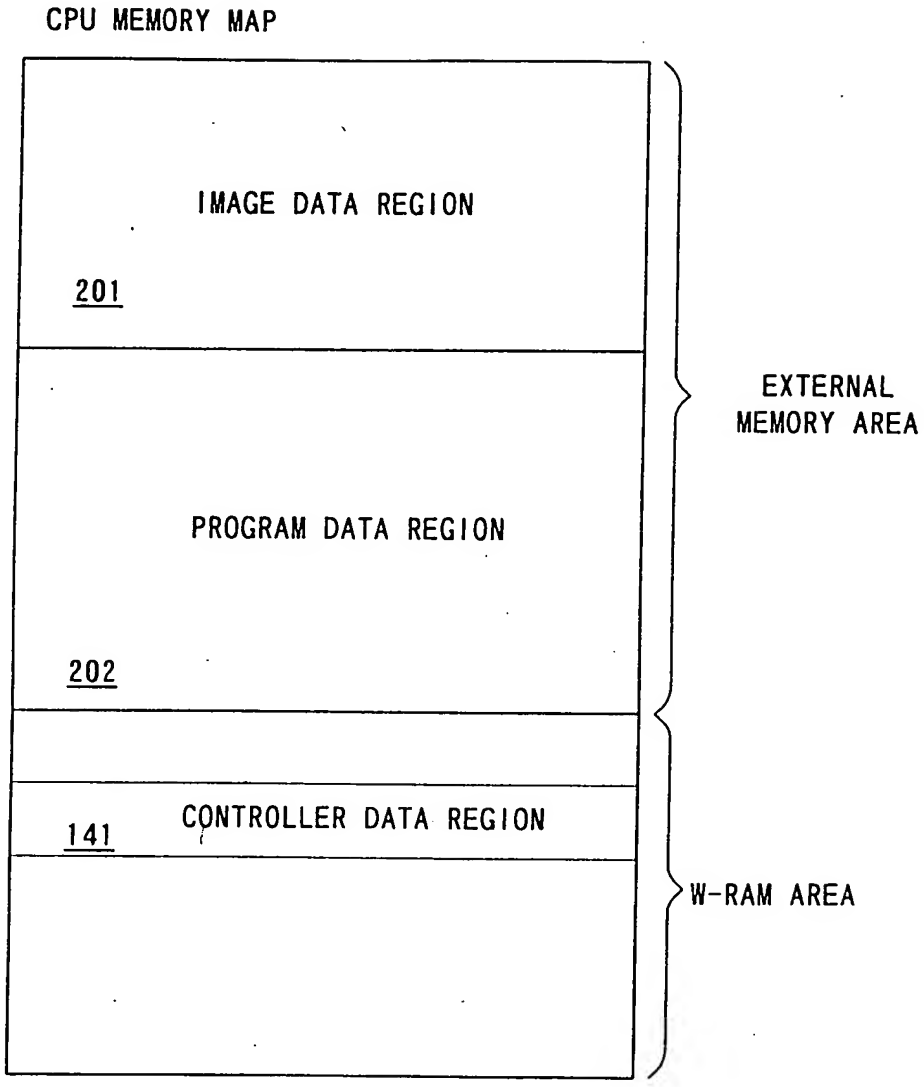
O.G. FIG.
CLASS SUBCLASS

FIG. 3



APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 4

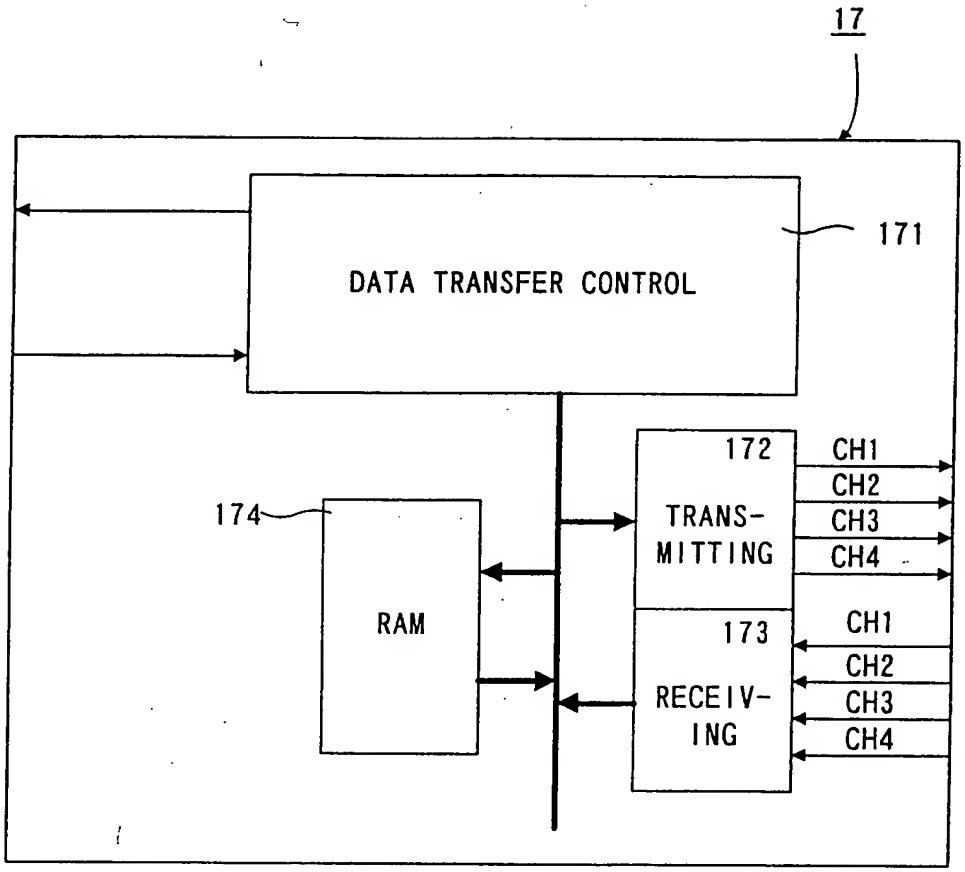


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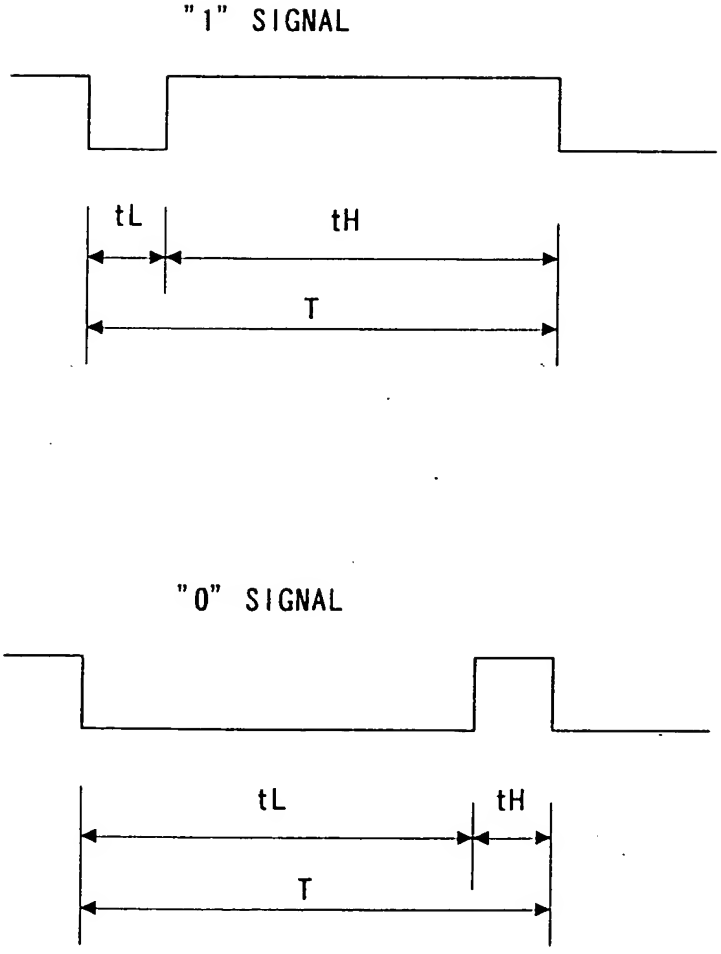
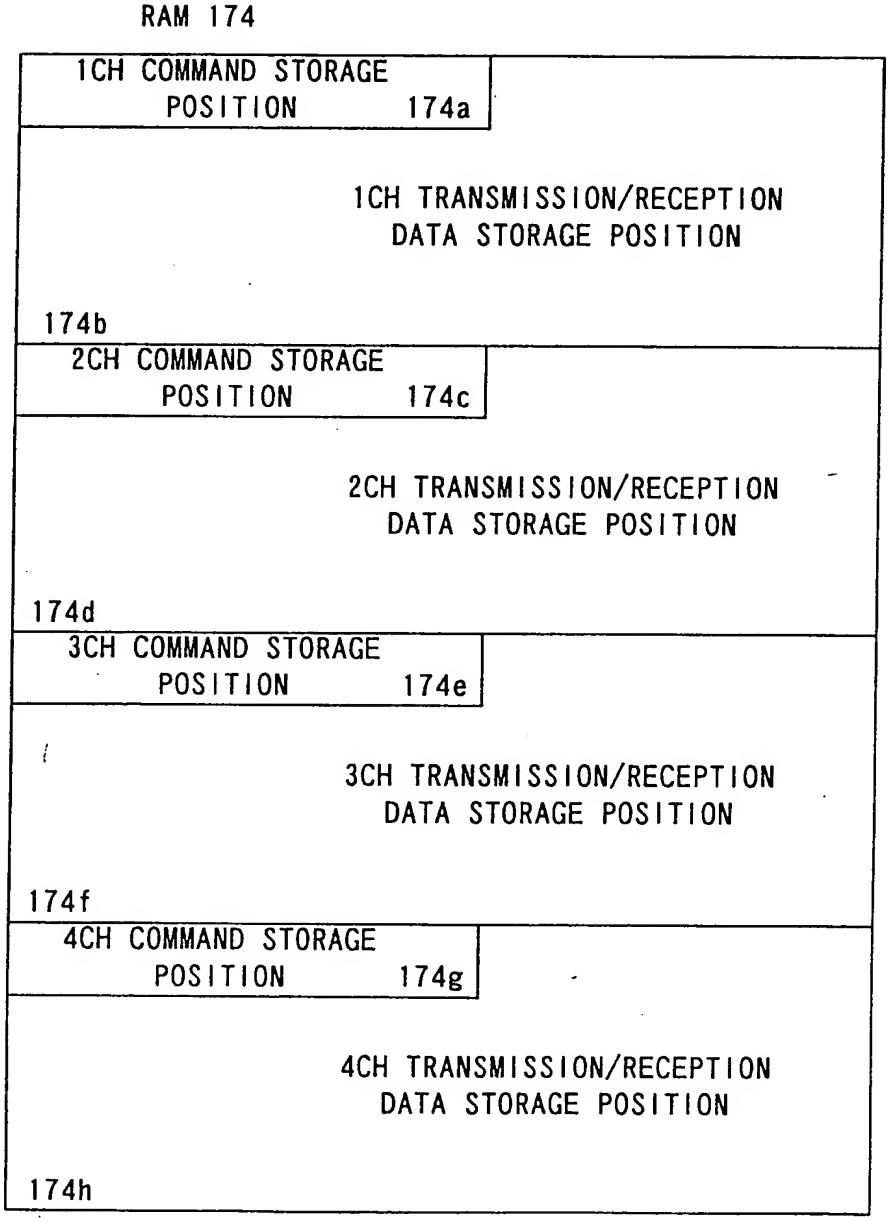
FIG. 5



APPROVED BY DRAFTSMAN
O.G FIG
CLASS SUBCLASS

FIG. 6



APPROVED O.G. FIG.
BY
DRAFTSMAN

FIG. 7

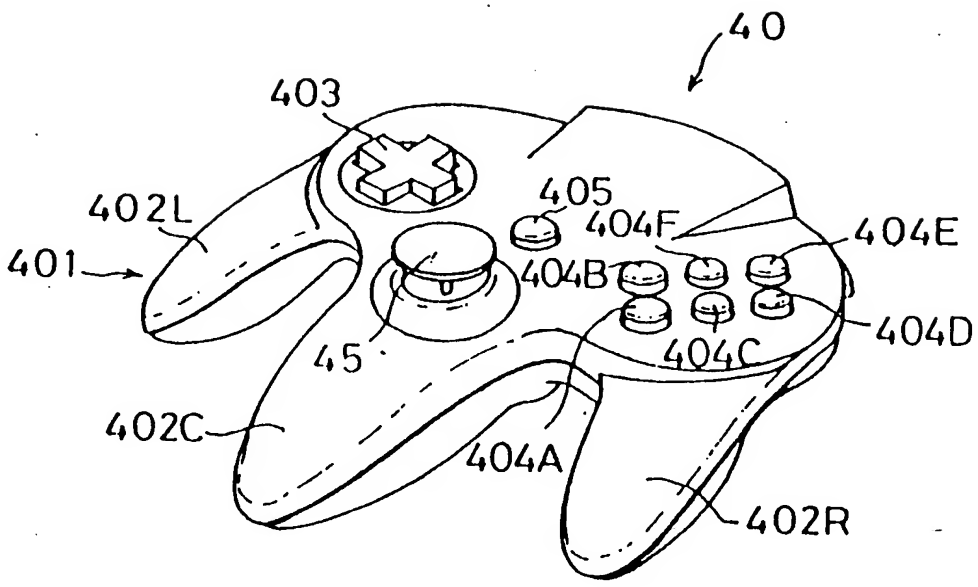
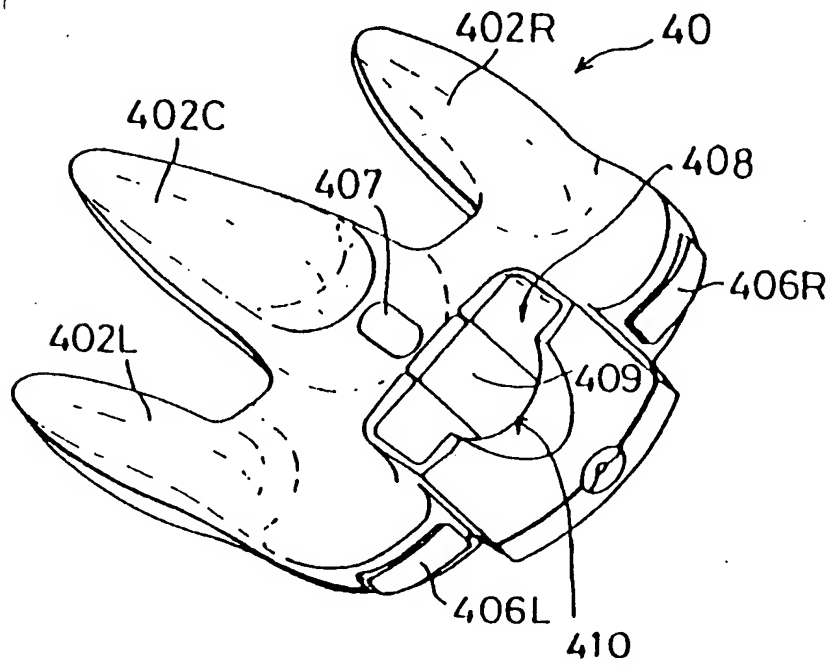
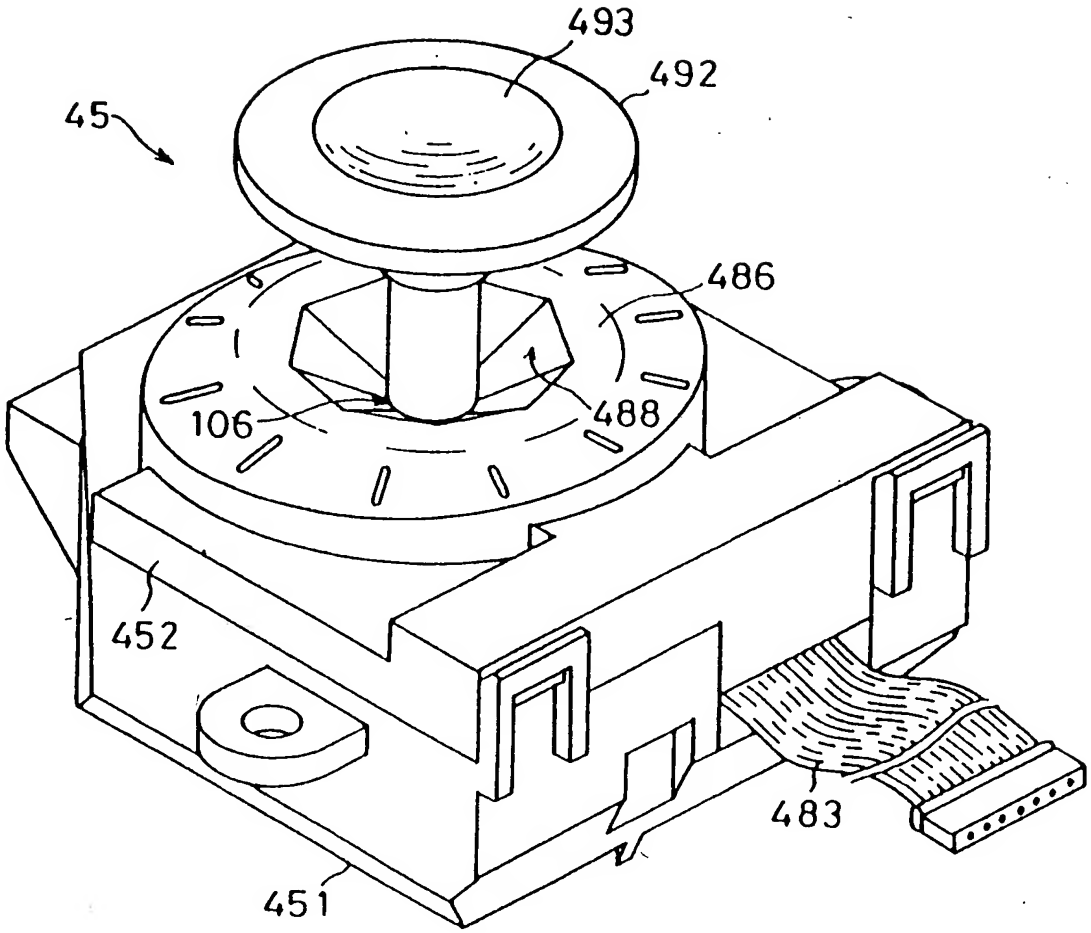


FIG. 8



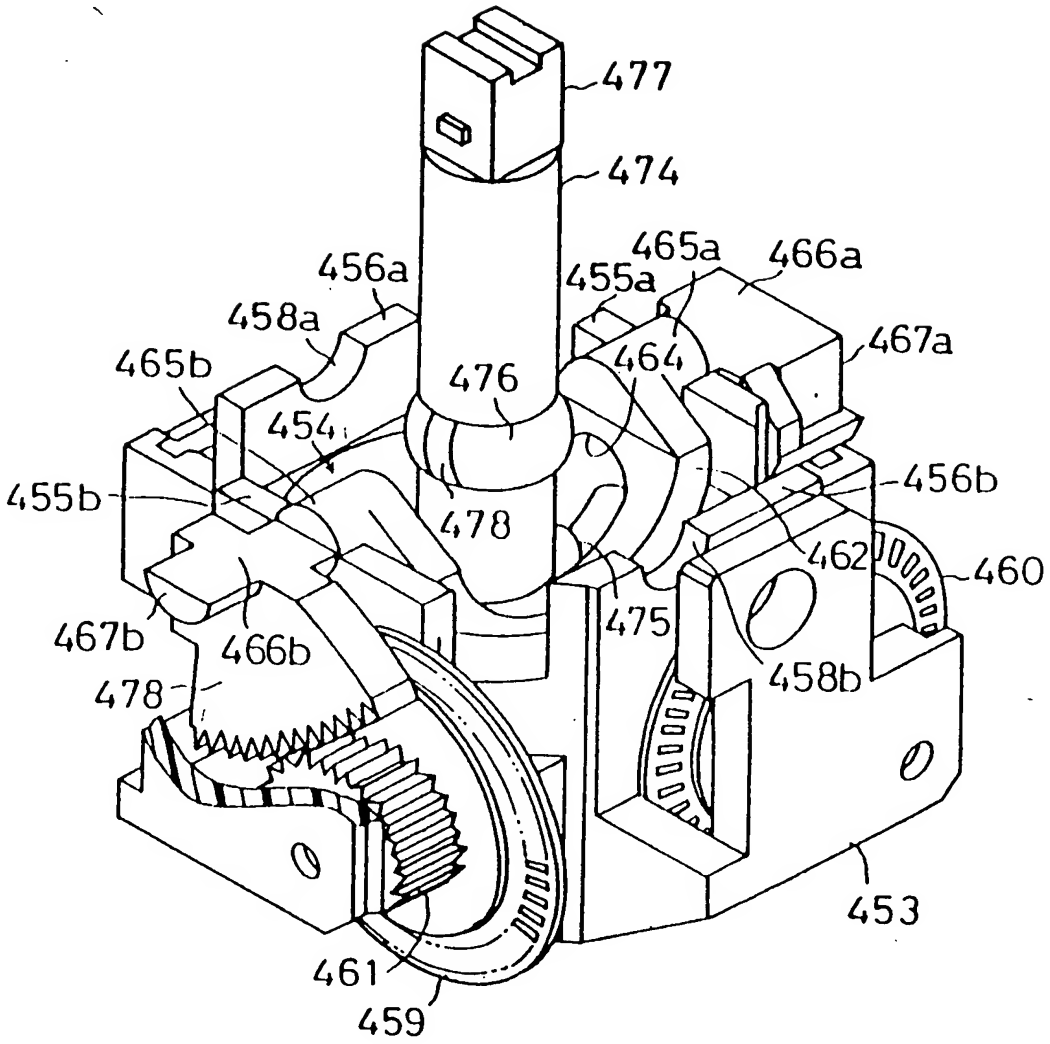
APPROVED BY DRAFTSMAN
O.G. FIG
CLASS SUBCLASS

FIG. 9



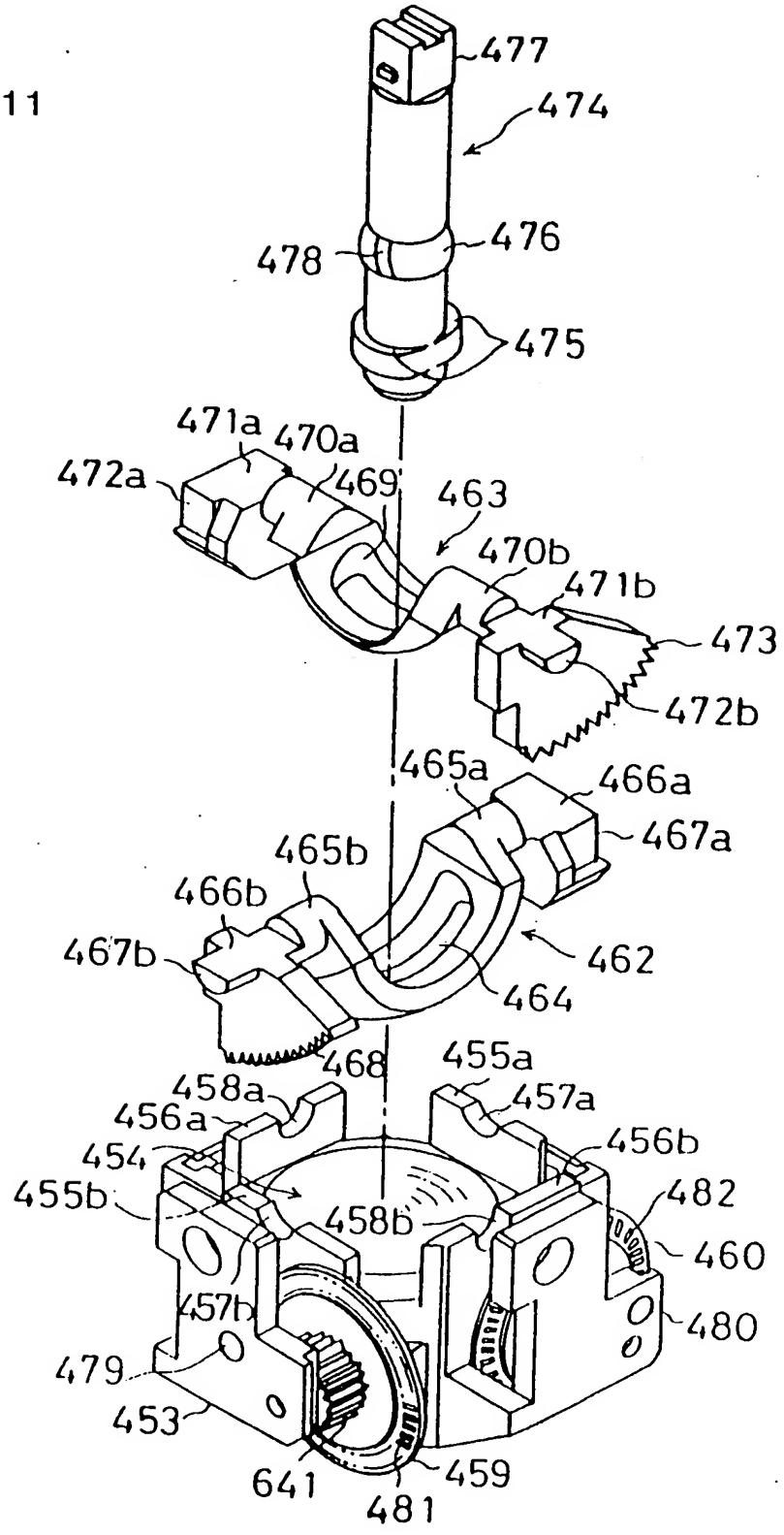
APPROVED BY DRAFTSMAN
O.G. FIC
CLASS

FIG. 10



APPROVED BY DRAFTSMAN
O.G. FIG.
CLASS SUBCLASS

FIG. 11



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APPROVED BY DRAFTSMAN | O.G. FIG | CLASS | SUBCLASS

FIG. 12

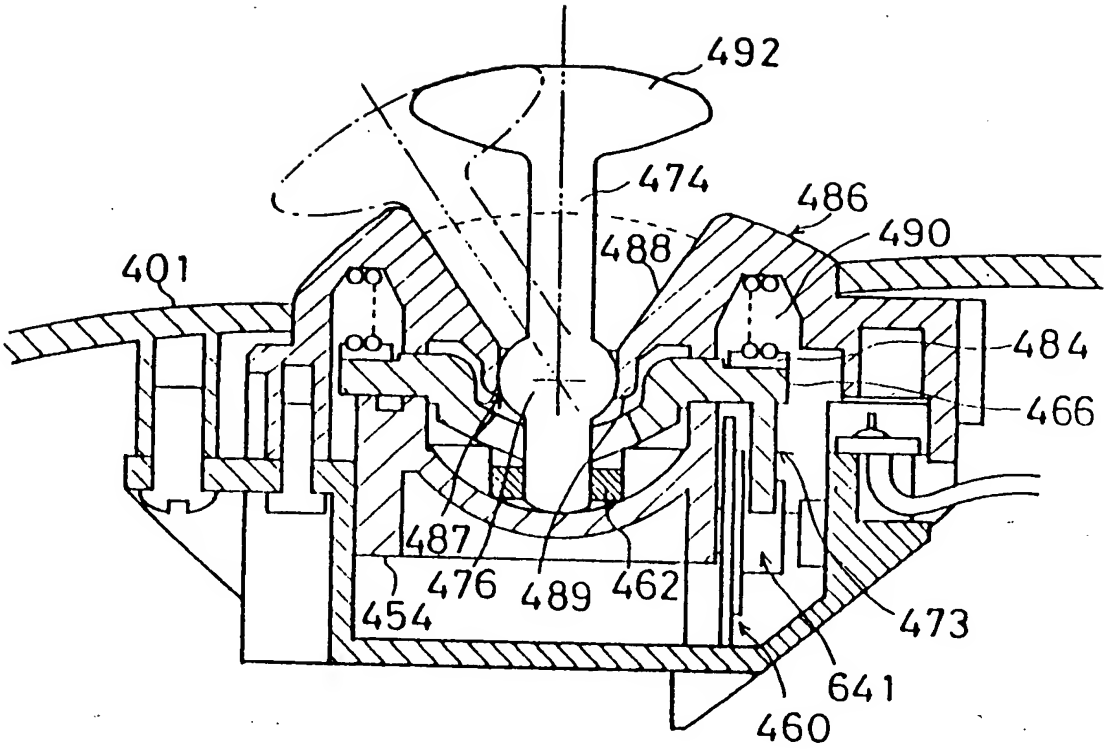
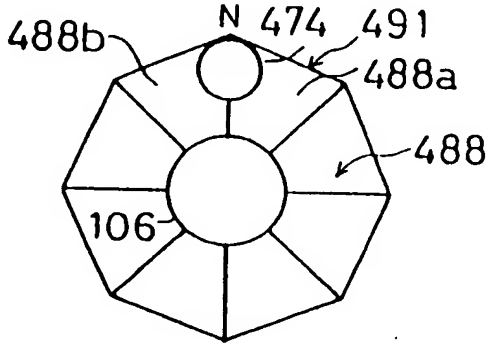
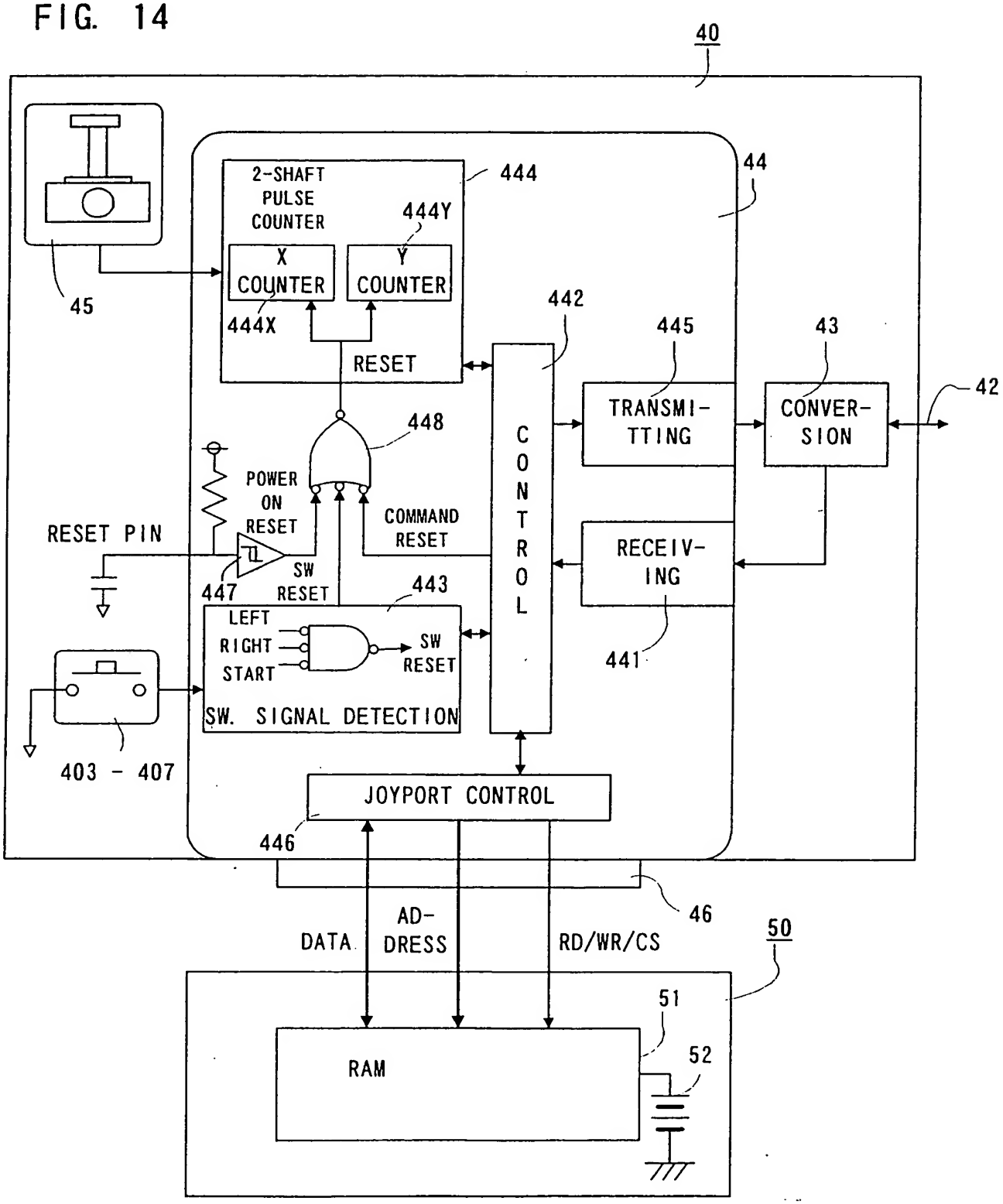


FIG. 13



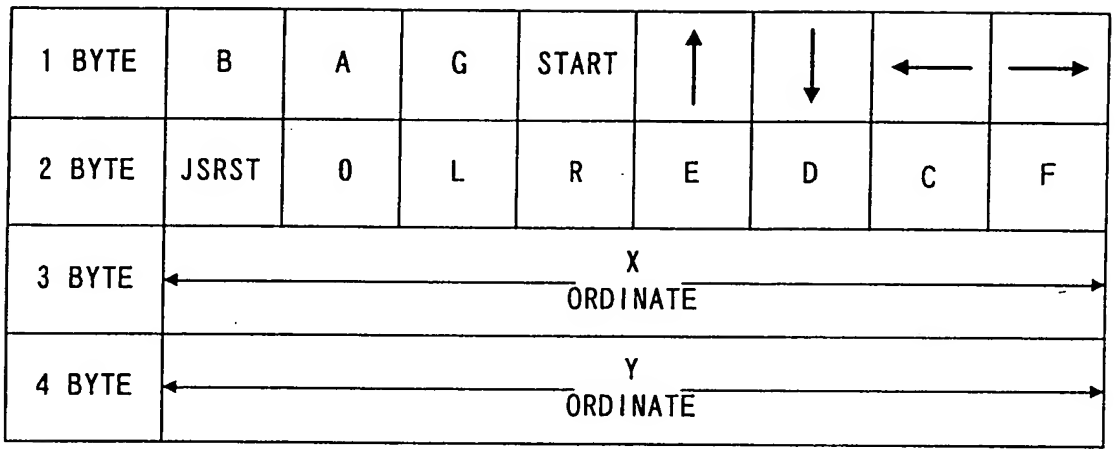
APPROVED BY DRAFTSMAN
O.G. FIG.
CLASS SUBCLASS

FIG. 14



APPROVED BY DRAFTSMAN
O.G. FIG.
CLASS SUBCLASS

FIG. 15



APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 16

COMMAND 0: TRANSMITTING TYPE OF CONTROLLER
RECEPTION: 1 BYTE TRANSMISSION: 3 BYTES

		d7	d6	d5	d4	d3	d2	d1	d0
RECEPTION	1 BYTE	← COMMAND 0 →							
TRANSMISSION	1 BYTE	← TYPE L →							
	2 BYTE	← TYPE H →							
	3 BYTE	← STATUS →							

FIG. 17

COMMAND 1: ACCESSING STANDARD CONTROLLER
RECEPTION: 1 BYTE TRANSMISSION: 4 BYTES

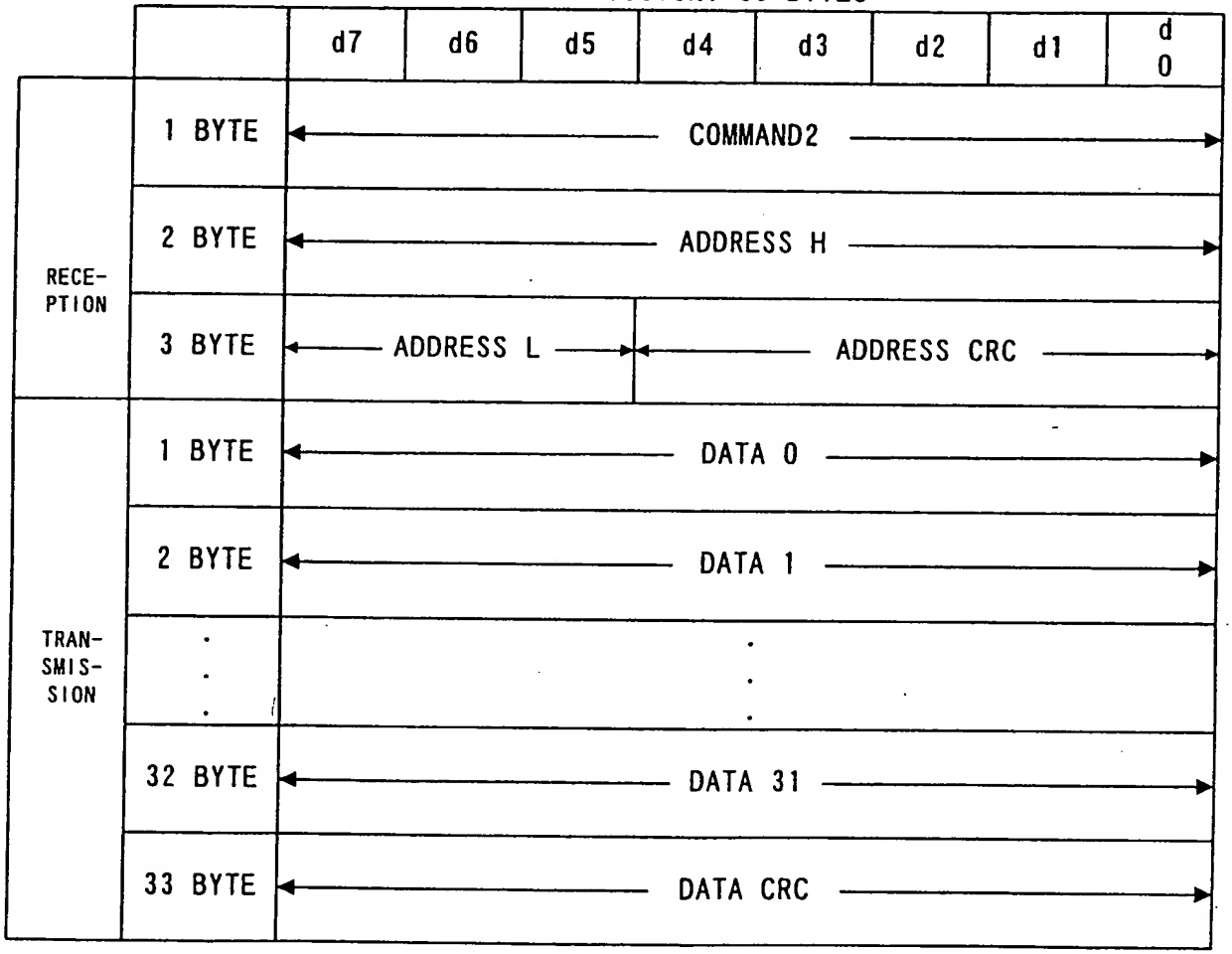
		d7	d6	d5	d4	d3	d2	d1	d0
RECEPTION	1 BYTE	← COMMAND 1 →							
TRANSMISSION	1 BYTE	B	A	G	START	↑	↓	←	→
	2 BYTE	JSRST*	0	L	R	E	D	C	F
	3 BYTE	← X ORDINATE →							
	4 BYTE	← Y ORDINATE →							

* HIGH LEVEL WHEN L, R AND START BUTTONS ARE SIMULTANEOUSLY DEPRESSED

APPROVED BY DRAFTSMAN
O.G. FIG.
CLASS SUBCLASS

FIG. 18

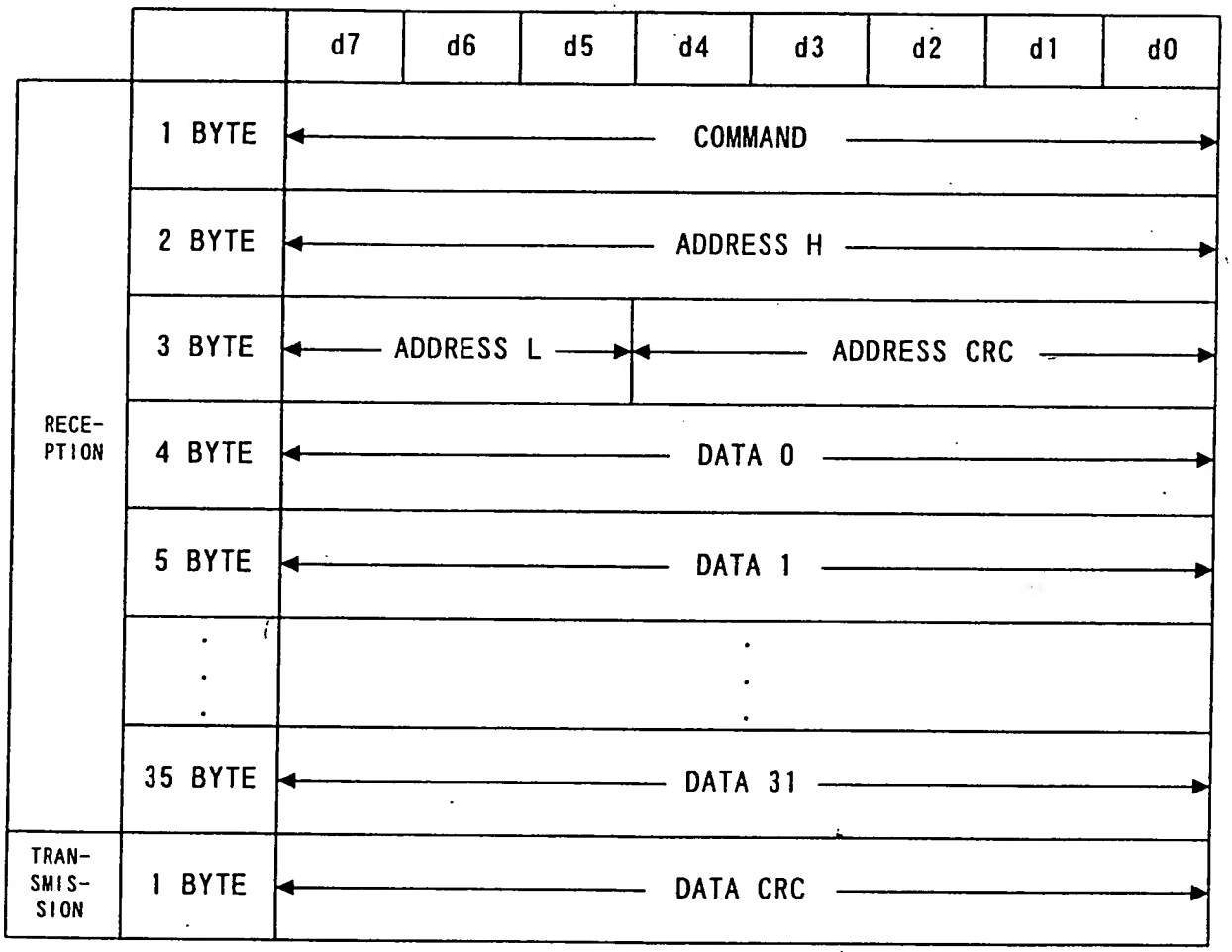
COMMAND 2: READ-OUT RAM
RECEPTION: 3 BYTES TRANSMISSION: 33 BYTES



APPROVED BY DRAFTSMAN
O.G. FIG.
CLASS SUBCLASS

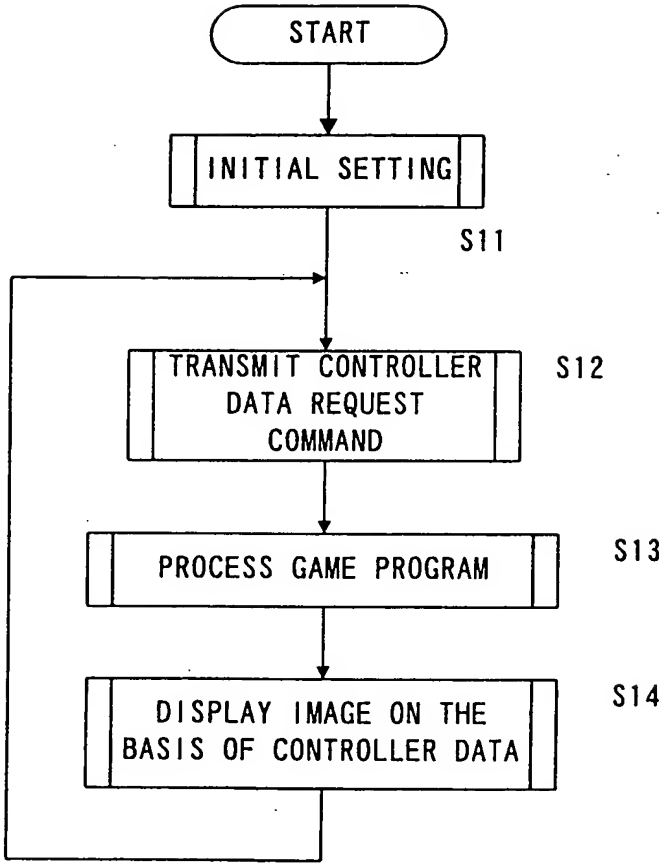
FIG. 19

COMMAND 3: WRITE TO RAM
RECEPTION: 35 BYTES TRANSMISSION: 1 BYTES



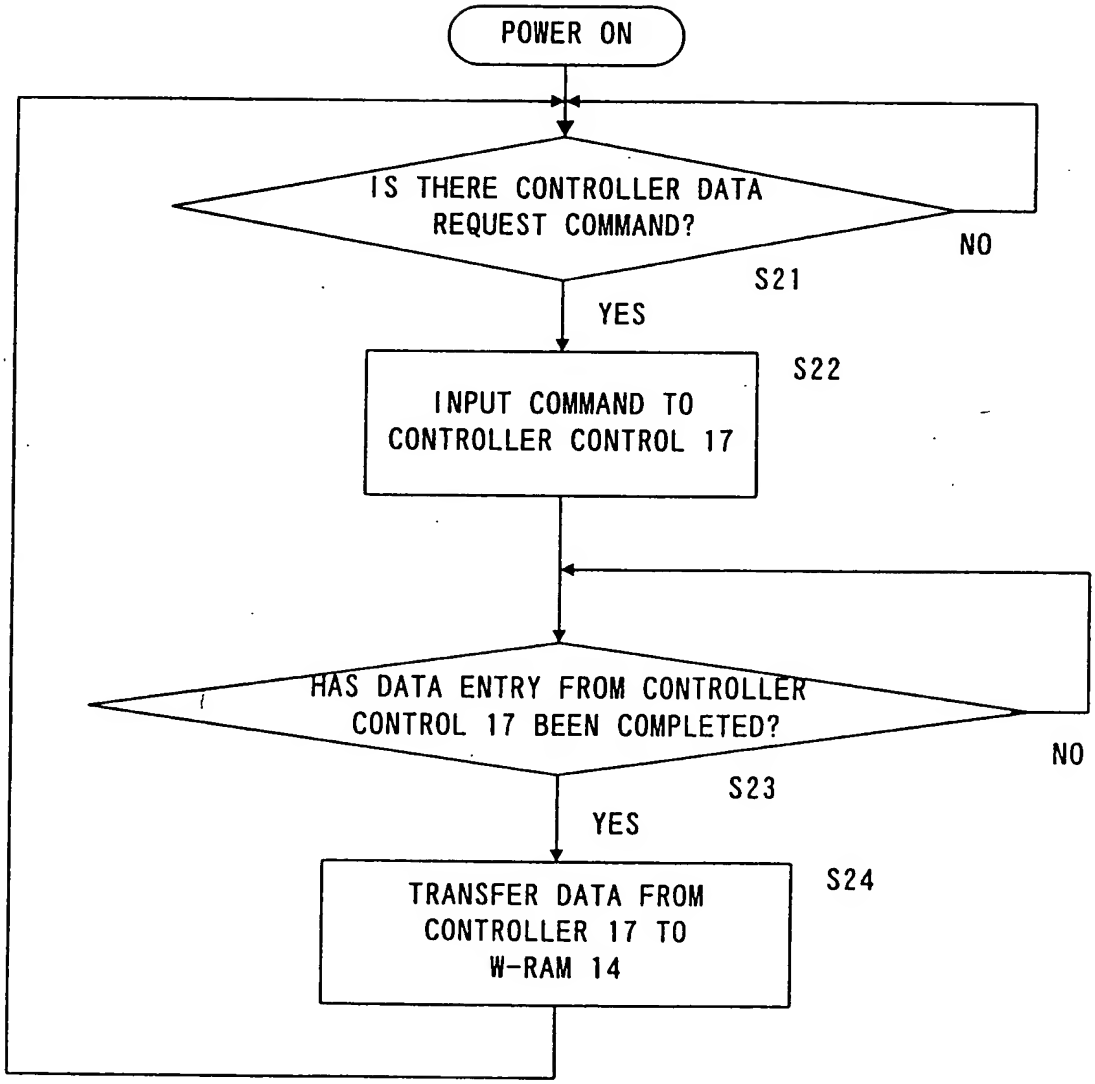
APPROVED BY DRAFTSMAN
O.G. FIG.
CLASS SUBCLASS

FIG. 20



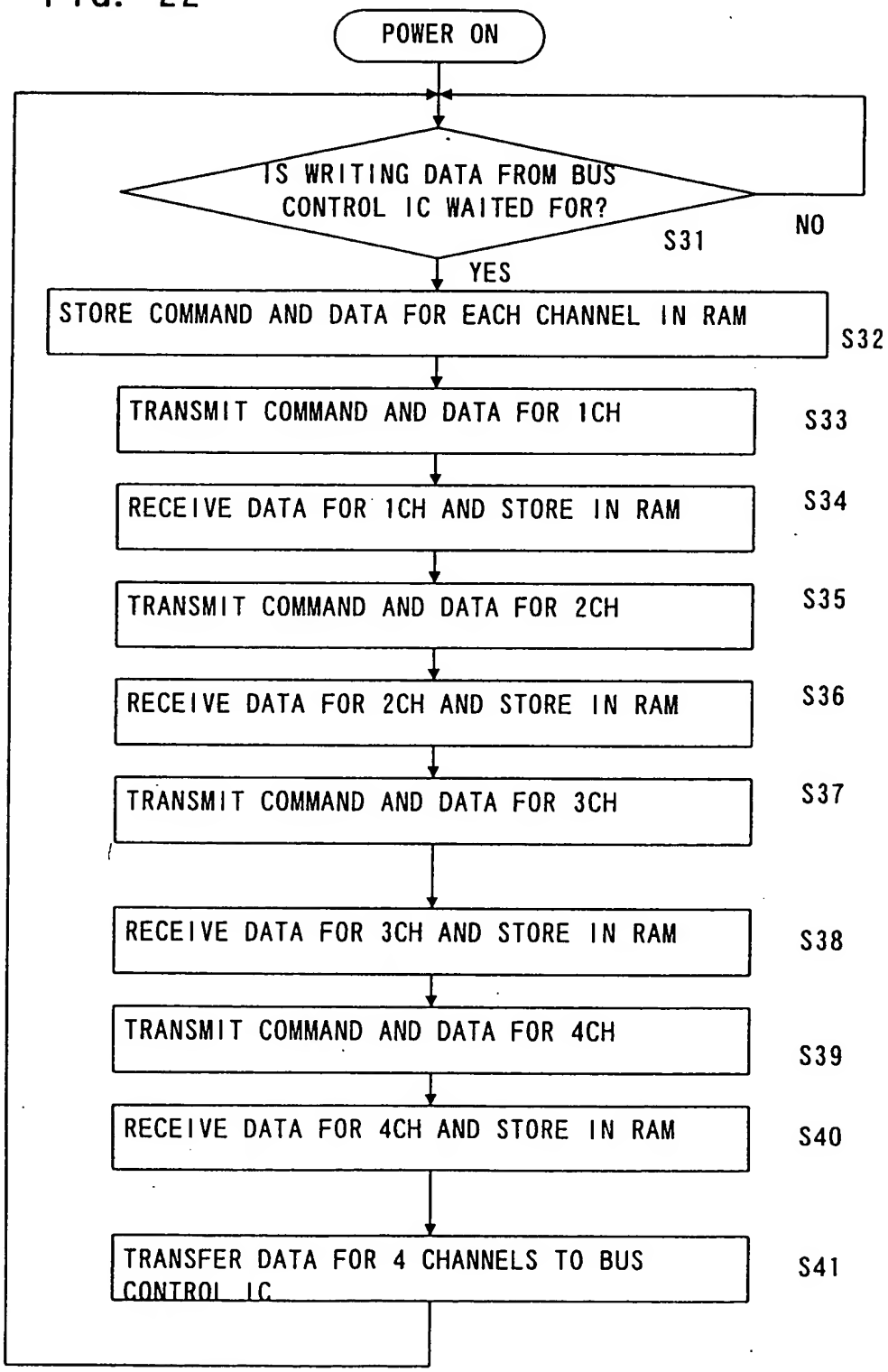
APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 21



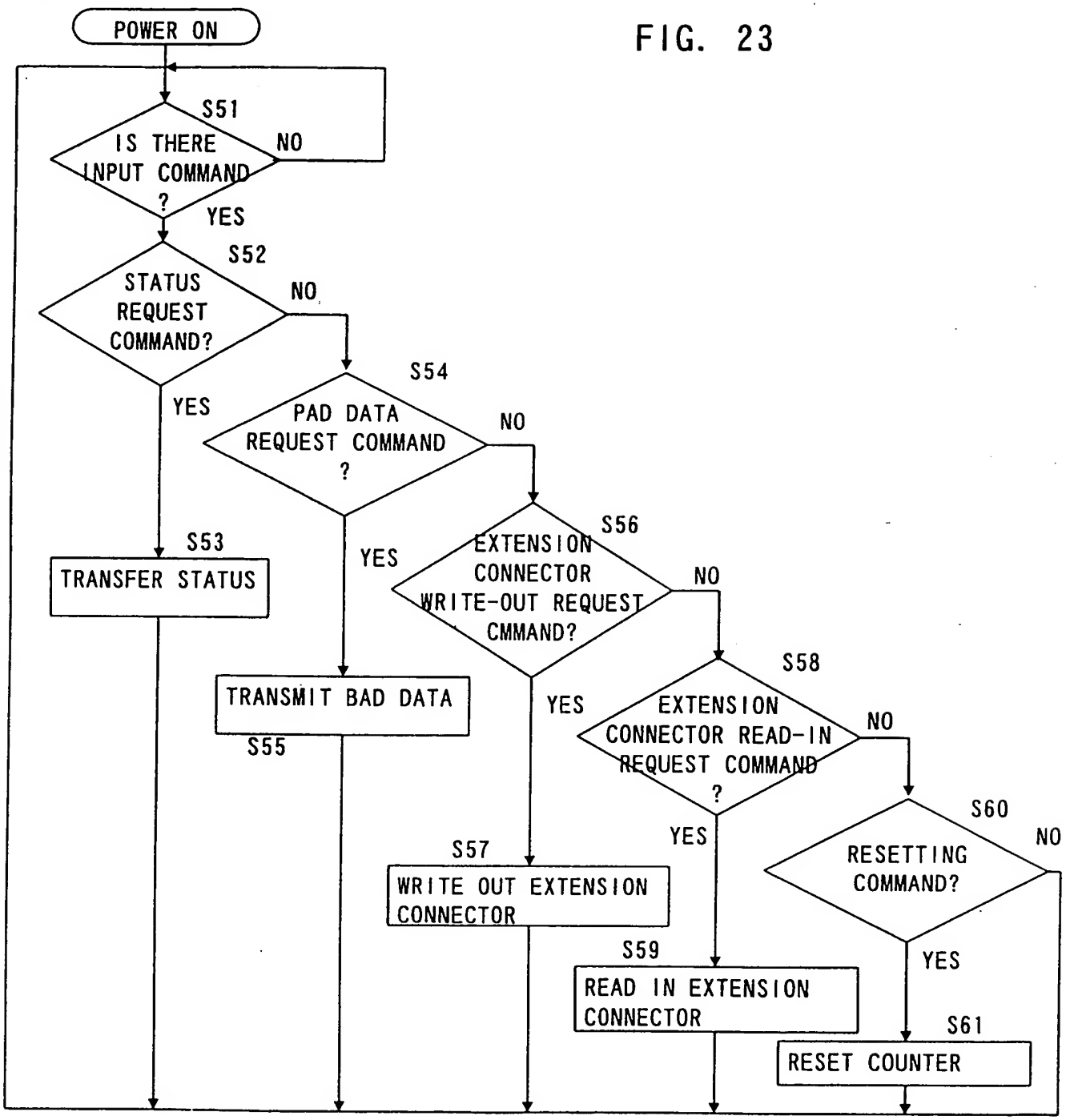
APPROVED O.G. FIG
BY CLASS SUBCLASS
DRAFTSMAN

FIG. 22



APPROVED BY DRAFTSMAN
O.G. FIG.
CLASS SUBCLASS

FIG. 23



APPROVED BY DRAFTSMAN
O.G. FIG
CLASS SUBCLASS

FIG. 24

COMMAND 255: CONTROLLER RESETTING
RECEPTION:1 BYTE TRANSMISSION: 3BYTE

		d7	d6	d5	d4	d3	d2	d1	d0
RECEPTION	1 BYTE	← COMMAND 255 →							
TRANSMISSION	1 BYTE	← TYPE L →							
	2 BYTE	← TYPE H →							
	3 BYTE	← STATUS →							

APPROVED O.G. FIG.
CLASS SUBCLASS
DRAFTSMAN

FIG. 25

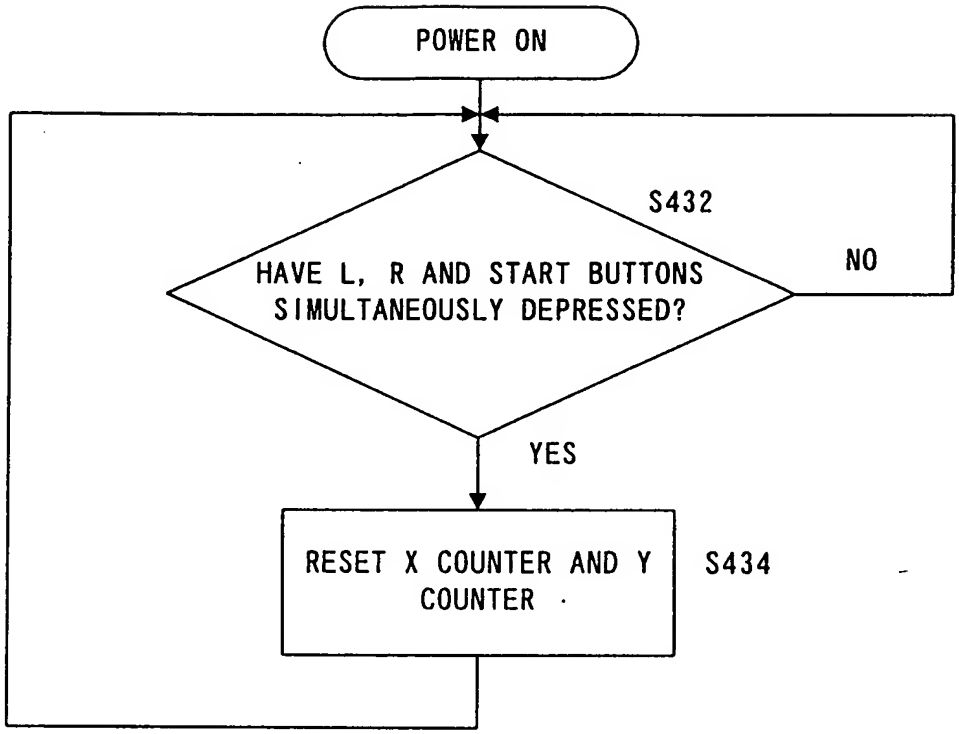
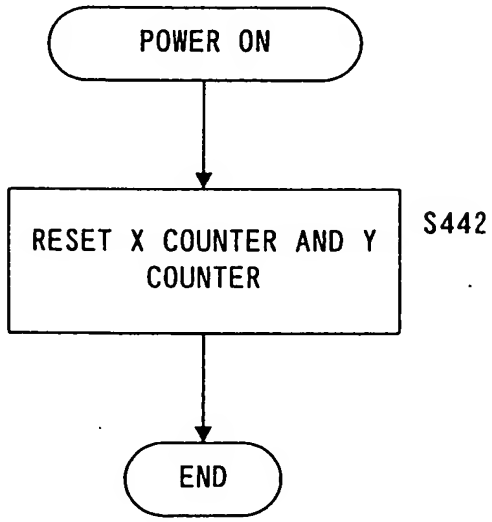


FIG. 26



APPROVED BY DRAFTSMAN
O.G. FIG
CLASS SUBCLASS

FIG. 27

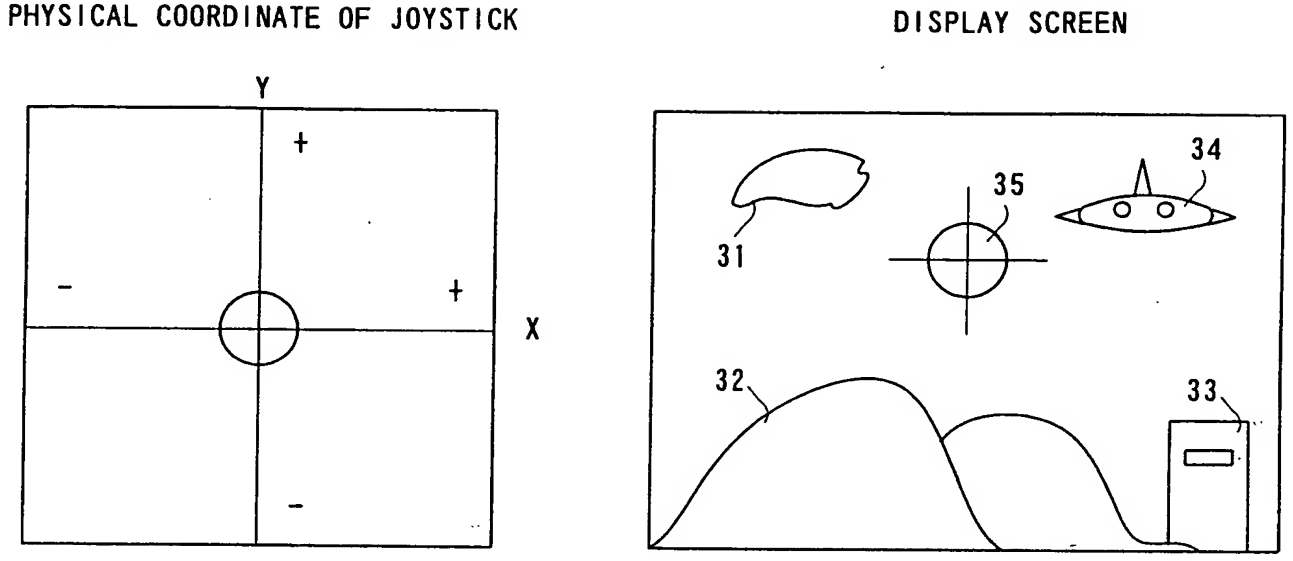
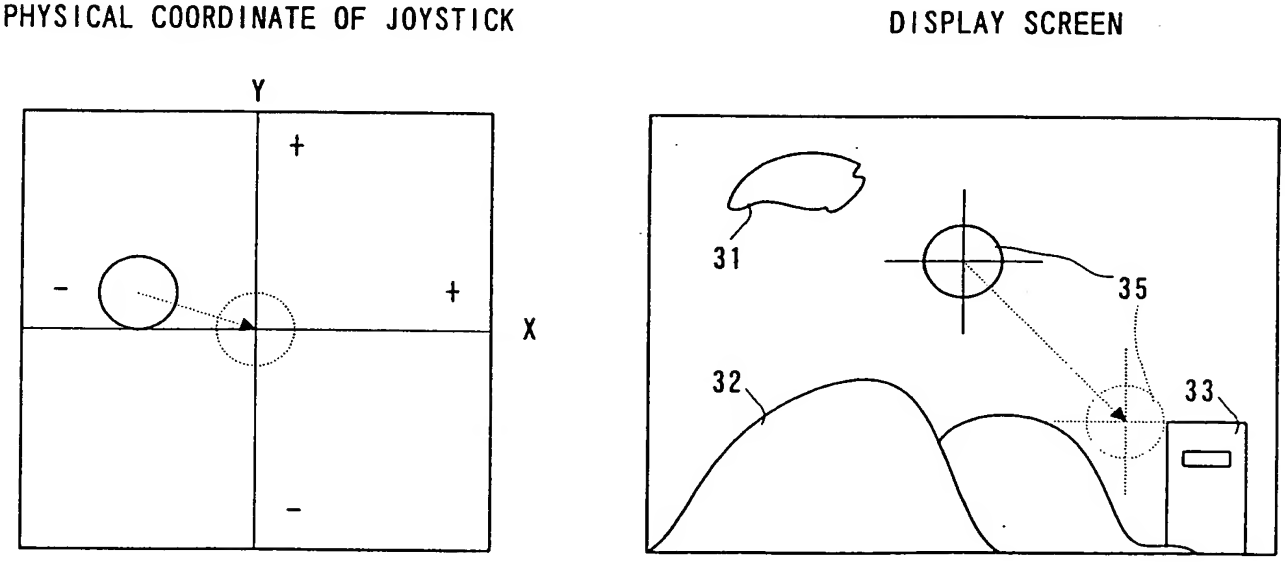


FIG. 28



APPROVED O.G. FIG
CLASS SUBCLASS
SMAN

FIG. 29

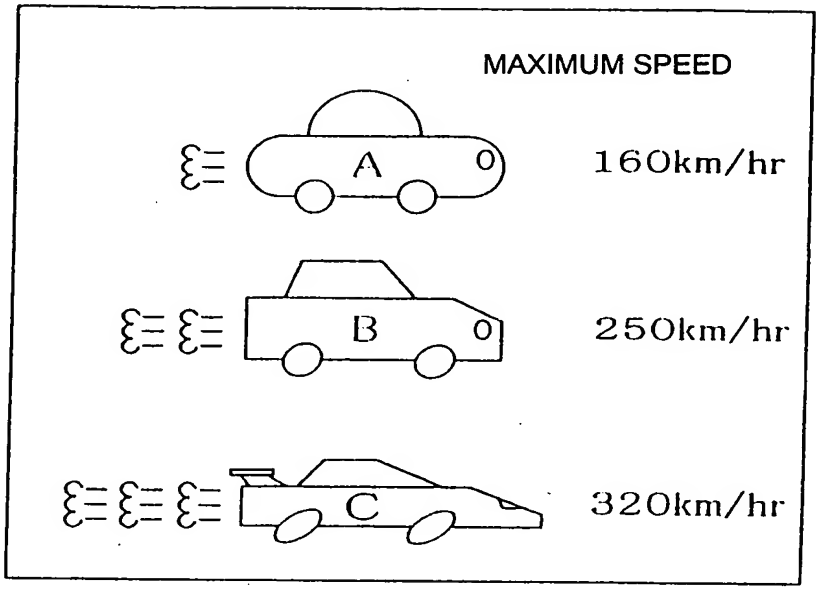
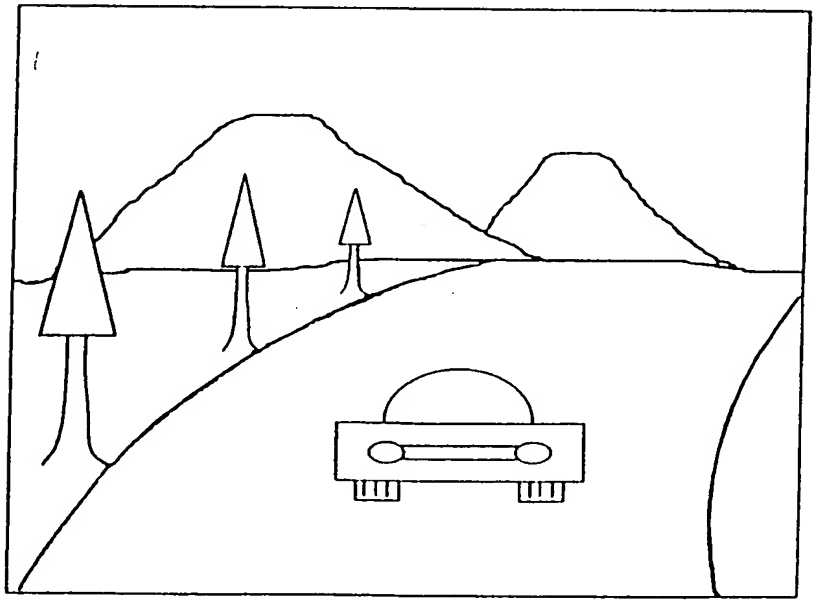
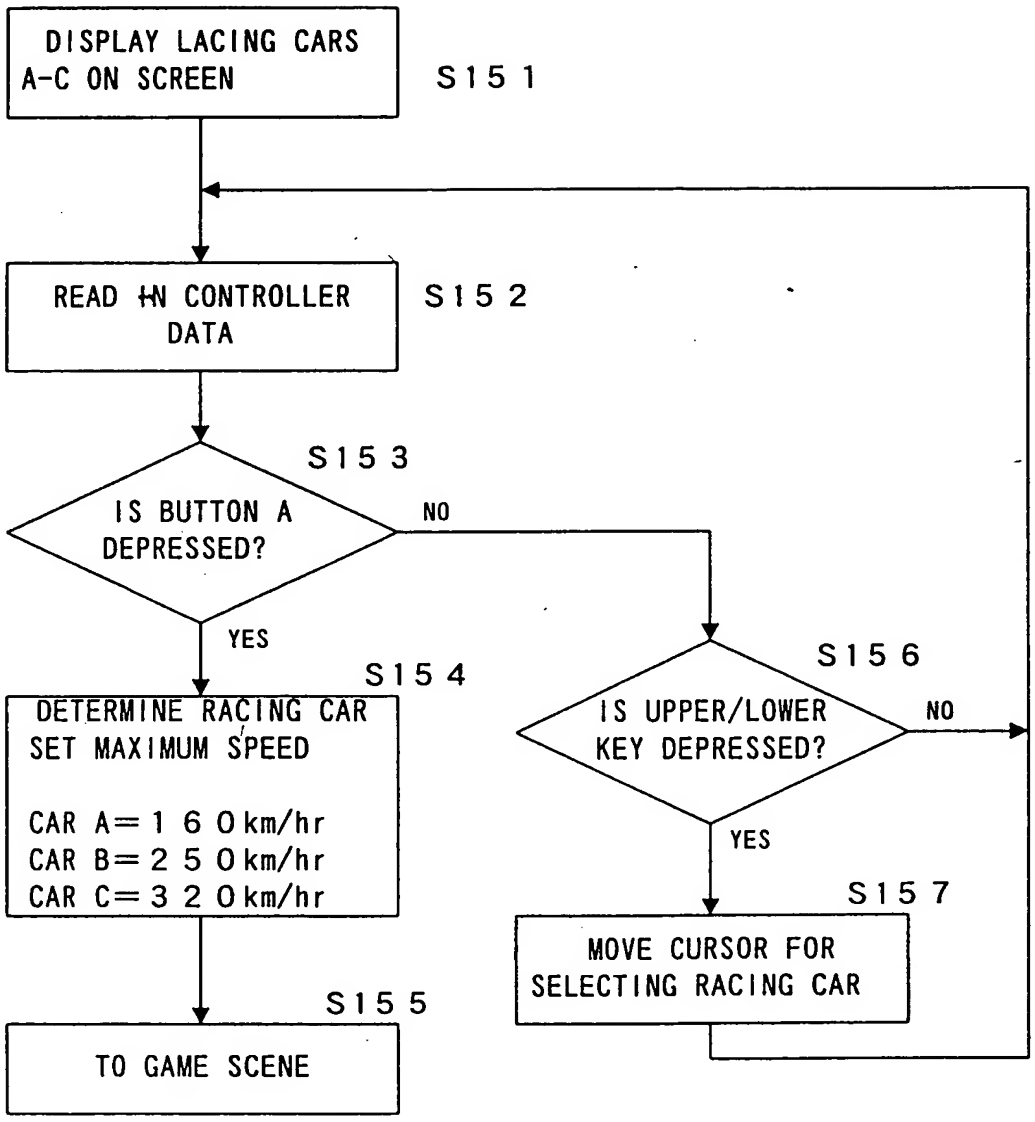


FIG. 30



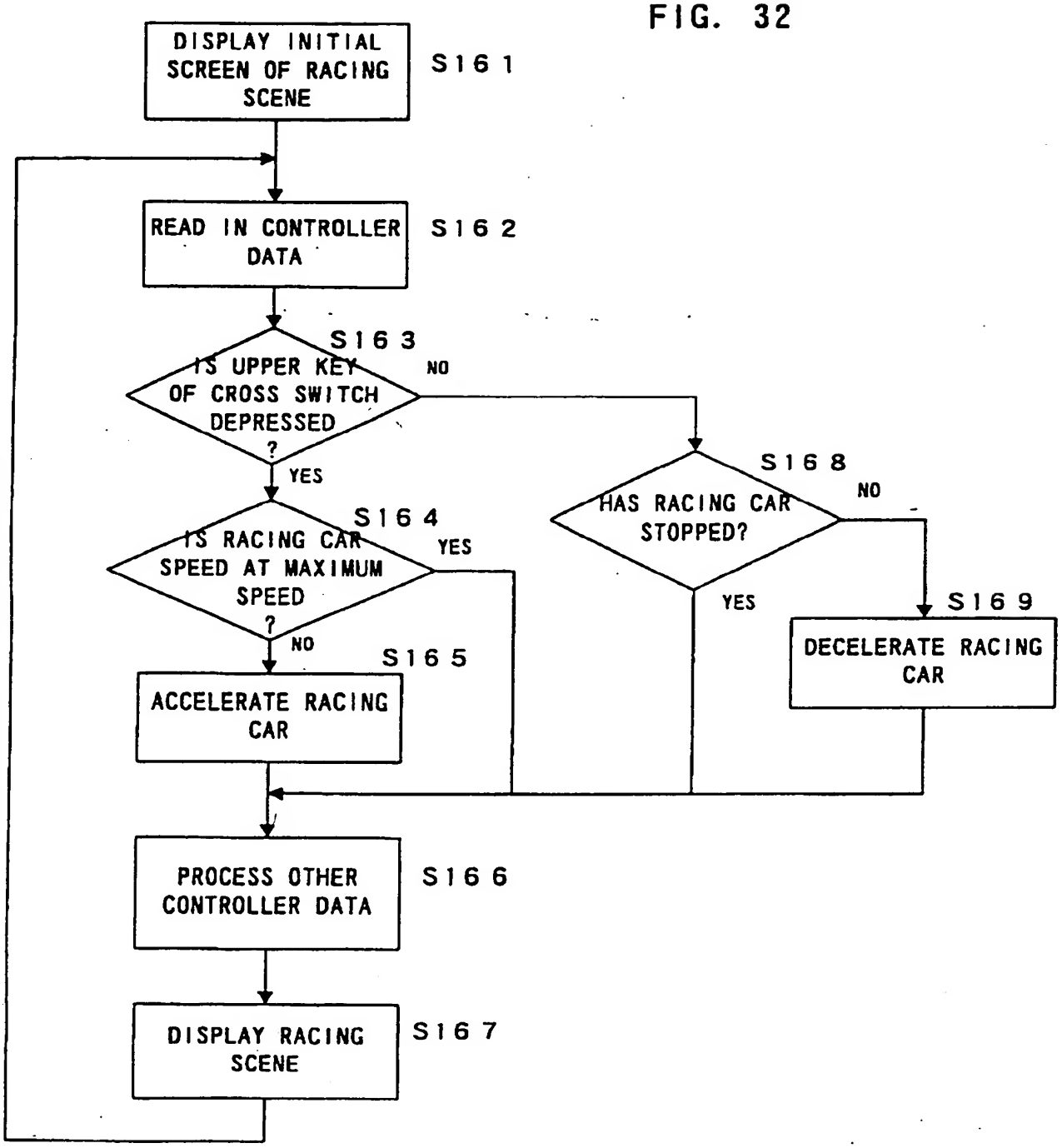
APPROVED O.G. FIG.
BY CLASS SUBCLASS
DRAFTSMAN

FIG. 31



APPROVED BY DRAFTSMAN | O.G. FIG | CLASS | SUBCLASS

FIG. 32



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O.G. FIG.
CLASS SUBCLASS
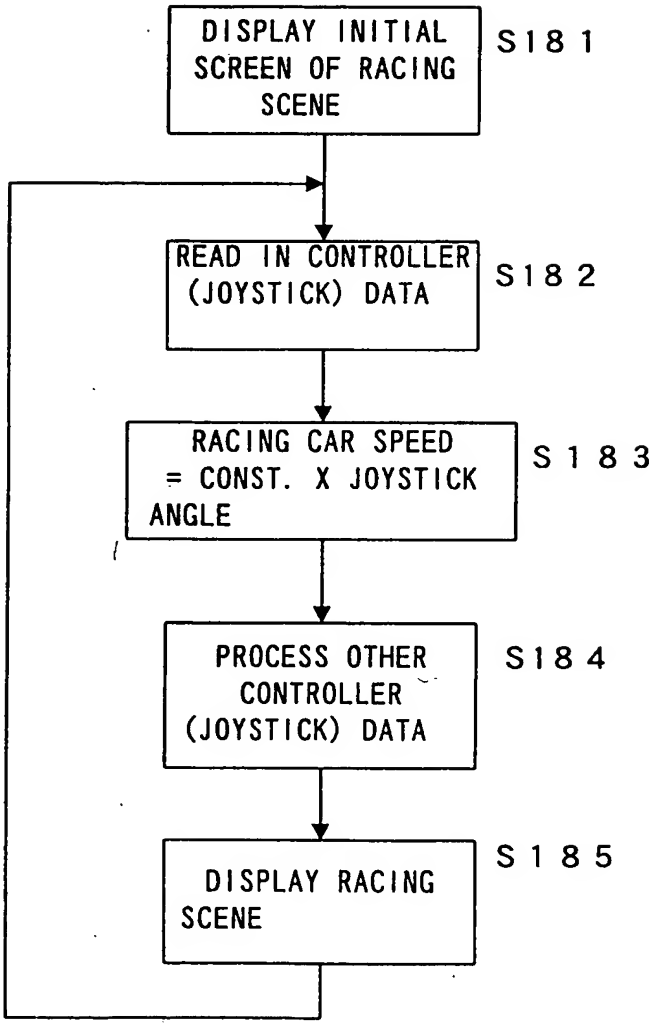
FIG. 34